VOLUME 43 1988

SUBJECT INDEX

Acoustic pinna, 411
  startle reflex
  threshold studies
Activity, 139
  discrimination
  gestational stress
  learning
  reversal
Activity rhythms, 459
  burrow system
  hamsters
  single cage system
  stabilimeter
Acute exercise, 65
  adipose tissue metabolism
  fat cell lipolysis
Acute stress, 223
  chronic stress
  differential effects
  dopamine
  dopamine-mediated behavior
Adipose tissue metabolism, 65
  acute exercise
  fat cell lipolysis
Adjunctive behavior, 269
  conditioned avoidance response
  schedule-induced polydipsia
  stress
Adrenoceptor antagonists, 417
  α-adrenoceptors
  epinephrine
  feeding behavior
  neuropeptide Y
α-Adrenoceptors, 417
  adrenoceptor antagonist
  epinephrine
  feeding behavior
  neuropeptide Y
Adrenocortical stress response, 41
  habituation
  stress
  stressor intensity
Age differences
  aggression, 1
  dominance, 1
  pleasantness estimates, 601
  sour taste intensity, 601
Aggression
  age differences, 1
  chronic testosterone treatment, 17
  circadian rhythm, 131
  dominance, 1
  intrinsic/extrinsic control, 131
  stimulus discrimination, 17
Aggressive behavior, 21
  food competition
  testosterone
Alternation response, 747
  early postnatal exposure
  gonadal steroids
  gonadectomy
  lever pressing
  sex differences
Ambient temperature
  body weight loss, 673
  circadian rhythm, 471
  drinking, 471
  hepatic branch vagotomy, 673
  sex differences, 471
Amino acid concentrations, 631
  caloric intake
  casein diet
  plasma ammonia levels
Amphetamine, 239
  forgetting
  memory retrieval
Analgesia
  benzodiazepine, 187
  heart rate acceleration, 849
  human studies, female, 849
  opioid, 187
  predator, 187
  vaginal self-stimulation, 849
Animal model, 111
  cholestatic liver disease
  flavor preferences
Animal model for anxiety, 307
  brain stem auditory evoked responses
  deafness, genetic
  fear-related behaviors
Anogenital stimulation, 243
  fetus, rat
  leg extension response
  spinal transection
Apparatus
  miniature telemetry system, 567
  radial maze, 403
  runway, 677
  sleep-wake state analyzer, 681
  stabilimeter, 459
Appetite
  dark phase/light phase, 797
  food preferences, 547
  hunger, 547
  interleukin-1α, 797
  locomotor activity, 797
  sweeteners, 547
Apple IIe, 253
  automated activity assessment
  data acquisition
Area postrema, 645
  cholecystokinin
  food intake
  glucagon-induced satiety
  lesions, area postrema/solitary nucleus
  solitary nucleus
Attentional mechanisms, 441
  chicks, domestic
  gonadal steroids
Autogrooming, 637
  penile reflexes
  sexual behavior, male rats
Automated activity assessment, 253
  Apple IIe
  data acquisition
Avoidance behavior, 577
  lymphocyte reactivity
  stress
Avoidance conditioning, 123
  locomotor activity
  sex differences
Avoidance learning, 317
  crab
  memory
Avoidance reaction training, 677
  brightness discrimination
  conditioning box learning

Baboons, 493
  food intake
  procurement costs
Baroreceptor sensitivity, 823
  nutrient deprivation
  rats, infant
  sino-aortic denervation
Behavioral arousal responses, 715
  cardiac arousal responses
  dorsal diencephalon
  electrical brain stimulation
  goldfish
  midbrain tegmentum
  telencephalon
  ventilatory arousal responses
Behavioral depression
  hormone levels, 789
  locomotor activity, 201
  passive avoidance, 201
  sex differences, 201
  stress, 201
  stress, chronic, 789
  tolerance, 789
Behavioral effects, 281
  encephalitis
  locomotor activity
  serotonergic syndrome
Behavioral despair, 665
  climbing behavior
  forced-swim test
  rope-climbing behavior
  straw-climbing behavior
Benzodiazepine, 187
  analgesia
  opioid
  predator
Bile duct ligation, 521
  liver disease
  sodium chloride preference
Bioenergetic characteristics, 831
  in utero
  litter size
  mice, female adults

Black-white discrimination, 657
lesions, superior colliculus
monocular enucleation
Bladder catheterization, 127
chronic cannulation
Blood pressure
cardiovascular conditioning, 177
heart rate, 177
methoxamine, 177
rabbits, 177
social isolation, 609
tactile startle, 609
Body temperature rhythms, 115
circadian locomotor activity
computer analysis
Body weight loss, 673
ambient temperature
hepatic branch vagotomy
Brain
area postrema, 645
dorsal diencephalon, 715
hypothalamus, 173, 351, 507, 697, 755, 771
lateral geniculate nucleus, 755
lateral preoptic region, 815
lateral ventricle, 351
locus coeruleus, 441
midbrain tegmentum, 715
pontine nucleus, 855
solitary nucleus, 645
suprachiasmatic nuclei, 755, 771
telencephalon, 715
ventromedial nucleus, 195, 507
zona incerta, 697
Brain catecholamines, 9
brown adipose tissue
exercise
metabolism
Brain DNA synthesis, 339
paradoxical sleep
synchronized sleep
Brain information processing, 325
paradoxical sleep
sleep function
synchronized sleep
Brain stem auditory evoked responses, 307
animal model for anxiety
deafness, genetic
fear-related behaviors
Brightness discrimination, 677
avoidance reaction training
conditioning box learning
Brown adipose tissue
brain catecholamines, 9
cytochrome oxidase activity, 301
exercise, 9
food intake, 293
lesion, lateral hypothalamus, 293
metabolism, 9
reproductive behavior, 301
thermogenesis, 293
torpor, 301
Bungarotoxin, 859
locomotor activity rhythms
suprachiasmatic infusion
Burrow system, 459
activity rhythms
hamsters
single cage system
stabilimeter
Caloric intake, 631
amino acid concentrations
casein diet
plasma ammonia levels
Cannibalism, 313
lesions, olfactory bulbs
maternal behavior
Carbohydrate
dietary tryptophan, 73
fasting, 735
fatty acids, 735
macronutrient selection, 73
metabolic regulation, 735
protein, 73
transcendental meditation, 735
Cardiac arousal responses, 715
behavioral arousal responses
dorsal diencephalon
electrical brain stimulation
goldfish
midbrain tegmentum
telencephalon
ventilatory arousal responses
Cardiovascular conditioning, 177
blood pressure
heart rate
methoxamine
rabbits
Casein diet, 631
amino acid concentrations
caloric intake
plasma ammonia levels
Castration, 35
estradiol benzoate
sexual behavior
testosterone propionate
Chicks, domestic, 441
attentional mechanisms
gonadal steroids
Cholecystokinin
area postrema, 645
copulatory behavior, 351
diet palatability, 485
estrogen, 195, 351
food intake, 645
genetic obesity, 485
glucagon-induced satiety, 645
gonadectomy, 351
lesions, area postrema/solitary nucleus, 645
lordosis, 195, 351
route of administration, 351
satiety, 485
sexual behavior, 195
solitary nucleus, 645
ventromedial nucleus, 195
Cholestatic liver disease, 111
animal model
flavor preferences
Cholinergic drugs, 507
hypothalamus
lordosis
Chronic administration, 553
feeding responses
morphine
Chronic cannulation, 127
bladder catheterization
Chronic stress
acute stress, 223
differential effects, 223
dopamine, 223
dopamine-mediated behavior, 223
habituation, 47
plasma corticosterone levels, 47
Chronic testosterone treatment, 17
aggression
stimulus discrimination
Circadian locomotor activity, 115
body temperature rhythms
computer analysis
Circadian rhythm
aggression, 131
ambient temperature, 471
diisopropyl phosphorofluoridate, 805
drinking, 471, 651
feeding, 651
hamsters, 435
intrinsic/extrinsic control, 131
locomotor activity, 435
obesity, 651
phase shifts, 435
proestrous luteinizing hormone, 435
sex difference, 471
sleep, 771
time perception, 805
wakefulness, 771
wheel-running activity, 771
Circadian and ultradian rhythms, 389
estrous cycle
wheel-running activity
Classical conditioning, 855
eyelid response
local anesthesia
pontine nucleus
rabbits
Climbing behavior, 665
behavioral despair
forced-swim test
rope-climbing behavior
straw-climbing behavior
Cold exposure, 245
food intake
food temperature
Computer analysis, 115
body temperature rhythms
circadian locomotor activity
Computer simulation, 835
open-field behavior
random assignment of subjects
seemingly discrepant results
x-irradiation
Conditioned avoidance response, 269
adjunctive behavior
schedule-induced polydipsia
stress
Conditioning box learning, 677
avoidance reaction training
brightness discrimination
Copulatory behavior, 351
cholecystokinin
estrogen
gonadectomy
lordosis
route of administration
Copulatory behavior, male rats, 321
fertility
obesity
testosterone, high degree
Corticosterone, 275
plasma catecholamines
prolactin
schedule-induced polydipsia

Cortisol response, 729
guinea pigs
maternal separation
vocalization
Crab, 317
avoidance learning
memory
Cycling temperature conditions, 121
goldfish
metabolic acclimation
Cytochrome oxidase activity, 301
brown adipose tissue
reproductive behavior
torpor
Cytoplasmic effect, 167
eyelid opening
strain differences
uterine environment

Dark phase/light phase, 797
appetite
interleukin-1α
locomotor activity
Data acquisition, 253
Apple IIe
automated activity assessment
Deafferentation, 207
genitalia
goats
sexual behavior
Deafness, genetic, 307
animal model for anxiety
brain stem auditory evoked responses
fear-related behaviors
Dehydration, 591
hyperosmolality
hypovolemia
thirst
Delayed-response, 403
radial maze
scopolamine
spatial memory
working memory
2-Deoxy-D-glucose
feeding level, 765
ingestive behavior, 697
insulin, 765
lithium chloride, 697
plasma glucose level, 765
Dietary tryptophan, 73
carbohydrate
macronutrient selection
protein
Diet palatability, 485
cholecystokinin
genetic obesity
satiety
Differential effects, 223
acute stress
chronic stress
dopamine
dopamine-mediated behavior
Diisopropyl phosphorofluoridate, 805
circadian rhythms
time perception
Dipsogens, 815
drinking response
lateral preoptic region
neuronal depletion
Discrimination, 139
activity
gestational stress
learning
reversal
Diurnal pattern, 559
environmental influences
heart-rate pattern
rabbits
seminatural conditions
Dominance, 1
age differences
aggression
Dopamine, 223
acute stress
chronic stress
differential effects
dopamine-mediated behavior
Dopamine-mediated behavior, 223
acute stress
chronic stress
differential effects
dopamine
Dorsal diencephalon, 715
behavioral arousal responses
cardiac arousal responses
electrical brain stimulation
goldfish
midbrain tegmentum
telencephalon
ventilatory arousal responses
Dorsal penile nerves, 235
marmoset
sexual behavior
Drinking
ambient temperature, 471
circadian rhythm, 471, 651
ethological analysis, 375
feeding, 651
food texture, 375
fowls, domestic, 423
5-HT_A agonist, 533
human studies, 705
isotonic saline preloads, 423
microregulatory analysis, 705
obesity, 651
polydipsia, 375
saline acceptance, 533
self-report method, 705
sex differences, 471
spontaneous fluid intake, 705
water preloads, 423
Drinking patterns, 99
feeding patterns
operant conditioning
pigs
Drinking response, 815
dipsogens
lateral preoptic region
neuronal depletion
Drought, 217
sexual behavior
spermotogenesis
strain differences
Drug
d-amphetamine sulphate, 239
atropine, 507
bungarotoxin, 859
2-deoxy-D-glucose, 697, 765
diazepam, 187
diisopropyl phosphorofluoridate, 805
dopamine, 223
epinephrine, 417
gepirone, 533
hexamethonium, 507
interleukin-1α, 797
lithium chloride, 697
methoxamine, 177
methyl palmoxirate, 617
morphine, 553
naloxone, 187, 265, 845
nitroprusside, 821
8-OH-DPAT, 533, 841
phentolamine, 417
phenylephrine, 823
pirenzepine, 507
prazosin, 417
Ro 15-1788, 187
scopolamine, 403, 507
tetraethylammonium, 507
yohimbine, 417
Drug infusion, 249
electrophysiological recording
intracranial injection
multiunits
single units
Dynorphin, 371
[^{3}H]-naloxone binding
obesity
opioid receptor

Early postnatal exposure, 747
alteration response
gonadal steroids
gonadectomy
lever pressing
sex differences
Eating
human studies, 705
microregulatory analysis, 705
self-report method, 705
spontaneous fluid intake, 705
Eating patterns, 625
running patterns
sex differences
wheel running
Electrical brain stimulation, 715
behavioral arousal responses
cardiac arousal responses
dorsal diencephalon
goldfish
midbrain tegmentum
telencephalon
ventilatory arousal responses
Electrophysiological recording, 249
drug infusion
intracranial injection
multiunits
single units
Encephalitis, 281
behavioral effects
locomotor activity
serotonergic syndrome
Energy metabolism, 447
hierarchy formation
social behavior
Environmental influences, 559
diurnal pattern
heart-rate pattern
rabbits
seminatural conditions

Epinephrine, 417
α-adrenoceptor
adrenoceptor antagonist
feeding behavior
neuropeptide Y
Estradiol benzoate, 35
castration
sexual behavior
testosterone
Estrogen
cholecystokinin, 195, 351
copulatory behavior, 351
gonadectomy, 351
lordosis, 195, 351
route of administration, 351
sexual behavior, 195
ventromedial nucleus, 195
Estrous cycle, 389
circadian and ultradian rhythms
wheel-running activity
Ethological analysis, 375
drinking
food texture
polydipsia
Exercise
brain catecholamines, 9
brown adipose tissue, 9
metabolism, 9
open-field behavior, 541
treadmill performance, 541
Eyelid opening, 167
cytoplasmic effect
strain differences
uterine environment
Eyelid response, 855
classical conditioning
local anesthesia
pontine nucleus
rabbits

Fasting, 735
carbohydrates
fatty acids
metabolic regulation
transcendental meditation
Fat cell lipolysis, 65
acute exercise
adipose tissue metabolism
Fattening, 85
high-fat diet
lipectomy
photoperiod
Fatty acid oxidation, 617
food intake
hamsters
hunger motivation
methyl palmoxirate
Fatty acids, 735
carbohydrates
fasting
metabolic regulation
transcendental meditation
Fear-related behaviors, 307
animal model for anxiety
brain stem auditory evoked responses
deafness, genetic
Feeding behavior
α-adrenoceptors, 417
adrenoceptor antagonists, 417
circadian rhythm, 651
drinking, 651
epinephrine, 417
glucogen, 383
liver, 383
neurohumoral regulation, 383
neuropeptide Y, 417
obesity, 651
phosphorylase activation, 383
Feeding level, 765
2-deoxy-D-glucose
insulin
plasma glucose level
Feeding patterns, 99
drinking patterns
operant conditioning
pigs
Feeding rate, 259
intermeal interval
meal size
positive/negative feedback
Feeding responses, 553
chronic administration
morphine
Fertility, 321
copulatory behavior, male rats
obesity
testosterone, high dosage
Fetus, rat, 243
anogenital stimulation
leg extension response
spinal transection
Five meal per day access schedule, 739
meal patterns
postprandial regulation
preprandial regulation
Flavor preferences, 111
animal model
cholestatic liver disease
Food competition, 21
aggressive behavior
testosterone
Food deprivation
hyperphagia, 429
open field behavior, 779
ovariectomy, 779
progesterone, 779
rat/hamster comparison, 429
rats, female, 779
tail-pinch induced eating, 429
Food intake
area postrema, 645
baboons, 493
brown adipose tissue, 293
cholecystokinin, 645
cold exposure, 245
fatty acid oxidation, 617
food preferences, 145
food temperature, 245
glucagon-induced satiety, 645
hamsters, 617
hunger, 145
hunger motivation, 617
lesions, area postrema/solitary nucleus, 645
lesion, lateral hypothalamus, 293
liver denervation, 527
macronutrient, 145
methyl palmoxirate, 617
procurement costs, 493, 493
satiety, 145
solitary nucleus, 645
thermogenesis, 293
Food intake suppression, 365
human feces
Food preferences
appetite, 547
food intake, 145
hunger, 145, 547
macronutrient, 145
satiety, 145
sweetness, 547
Food temperature, 245
cold exposure
food intake
Food texture, 375
drinking
ethological analysis
polydipsia
Forced-swim test, 665
behavioral despair
climbing behavior
straw-climbing behavior
Forgetting, 239
amphetamine
memory retrieval
Formalin, 265
naloxone
pain-related behavior
Fowl, domestic, 423
drinking
isotonic saline preloads
water preloads

Gastric emptying rate, 29
procaine
serum corticosterone
serum glucose
serum insulin
Genetic obesity, 485
cholecystokinin, 485
diet palatability
satiety
Genitalia, 207
deafferentation
goats
sexual behavior
Gestational stress, 139
activity
discrimination
learning
reversal
Glucagon-induced satiety, 645
area postrema
cholecystokinin
food intake
lesions, area postrema/solitary nucleus
solitary nucleus
Glucogen, 383
feeding behavior
liver
neurohumoral regulation
phosphorylase activation
Goldfish
behavioral arousal responses, 715
cardiac arousal responses, 715
cycling temperature conditions, 121
dorsal diencephalon, 715
electrical brain stimulation, 715
metabolic acclimation, 121
midbrain tegmentum, 715
telencephalon, 715
ventilatory arousal responses, 715

Gonadal hormones, 359
odor discrimination
Gonadal steroids
alternation response, 747
attentional mechanisms, 441
chicks, domestic, 441
early postnatal exposure, 747
gonadectomy, 747
lever pressing, 747
sex differences, 747
Gonadectomy
alternation response, 747
cholecystokinin, 351
copulatory behavior, 351
early postnatal exposure, 747
estrogen, 351
gonadal steroids, 747
lever pressing, 747
lordosis, 351
route of administration, 351
sex differences, 747
Goats, 207
deafferentation
genitalia
sexual behavior
Goats, young domestic, 451
human-animal interaction
mother-young interaction
pituitary-adrenal responsiveness
social relationships
Guinea pigs, 729
cortisol response
maternal separation
vocalization

Habituation
adrenocortical stress response, 41
chronic stress, 47
plasma corticosterone levels, 47
stress, 41
stressor intensity, 41
Hamster
activity rhythms, 459
burrow system, 459
circadian rhythm, 435
fatty acid oxidation, 617
food intake, 617
hunger motivation, 617
hypothalamic damage, 755
hypothalamus, 755
lateral geniculate nucleus, 755
locomotor activity, 435
methyl palmoxirate, 617
phase shifts, 435
proestrous luteinizing hormone, 435
renin-angiotensin system, 851
running wheel activity, 755
single cage system, 459
stabilimeter, 459
strain differences, 851
suprachiasmatic nuclei, 755
water intake, 851
Heart rate, 177
blood pressure
cardiovascular conditioning
methoxamine
rabbits
Heart rate acceleration, 849
analgesia
human studies, female
vaginal stimulation

Heart-rate pattern, 559
diurnal pattern
environmental influences
rabbits
seminatural conditions
Heartrate telemetry, 567
longterm measurement
mammals
Hepatic branch vagotomy, 673
ambient temperature
body weight loss
Heterotypic sexual behavior, 669
olfactory cues
Hierarchy formation, 447
energy metabolism
social behavior
High-fat diet, 85
fattening
lipectomy
photoperiod
Hormone
deoxycorticosterone, 155
estradiol, 441, 507
estradiol benzoate, 35, 669
estrogen, 195, 351, 389, 441
proestrous luteinizing hormone, 435
progesterone, 779
testosterone, 17, 21, 321, 441, 479, 539
testosterone propionate, 35, 669
Hormone levels, 789
behavioral depression
stress, chronic
tolerance
5-HT_{1A} agonists, 533
drinking
saline acceptance
Human-animal interaction, 451
goats, young domestic
mother-young interaction
pituitary-adrenal responsiveness
social relationships
Human feces, 365
food intake suppression
Human studies
drinking, 705
eating, 705
hunger, 159
meal patterns, 159
microregulatory analysis, 705
self-report method, 705
spontaneous fluid intake, 705
Human studies, ballet dancers, 783
mental tension
psychophysiological activation
Human studies, female, 849
analgesia
heart rate acceleration
vaginal self-stimulation
Hunger
appetite, 547
food intake, 145
food preferences, 145, 547
human studies, 159
macronutrient, 145
meal patterns, 159
satiety, 145
sweeteners, 547
Hunger motivation, 617
fatty acid oxidation
food intake
hamsters
methyl palmoxirate

Hyperactivity, 13
hypoalgesia
isolation
locomotor activity
resocialization
Hyperosmolality, 591
dehydration
hypovolemia
thirst
Hyperphagia, 429
food deprivation
rat/hamster comparison
tail-pinch induced eating
Hypoalgesia, 13
hyperactivity
isolation
locomotor activity
resocialization
Hypothalamic damage, 755
hamsters
hypothalamus
lateral geniculate nucleus
running wheel activity
suprachiasmatic nuclei
Hypothalamic RNA, 281
lateral hypothalamic area
neurons
ventromedial nuclei
Hypothalamus
cholinergic drugs, 507
hamsters, 755
hypothalamic damage, 755
lateral geniculate nucleus, 755
lordosis, 507
nasal mucosa, 173
running wheel activity, 755
sexual behavior, 173
suprachiasmatic nuclei, 755
thermoregulation
Hypovolemia, 591
dehydration
hyperosmolality
thirst

Ingestive behavior, 697
2-deoxy-D-glucose
lithium chloride
Insulin, 765
2-deoxy-D-glucose
feeding level
plasma glucose level
Interleukin-1α, 797
appetite
dark phase/light phase
locomotor activity
Intermeal interval, 259
feeding rate
meal size
positive/negative feedback
Intracranial injection, 249
drug infusion
electrophysiological recording
multiunits
single units
Intrinsic/extrinsic control, 131
aggression
circadian rhythm
In utero, 831
bioenergetic characteristics
litter size
mice, female adults

Isolation, 13
hyperactivity
hypoalgesia
locomotor activity
resocialization
Isotonic saline preloads, 423
drinking
fowls, domestic
water preloads

Lateral geniculate nucleus, 755
hamsters
hypothalamic damage
hypothalamus
running wheel activity
suprachiasmatic nuclei
Lateral hypothalamic area, 281
hypothalamic RNA
neurons
ventromedial nuclei
Lateral preoptic region, 815
dipsogens
drinking response
neuronal depletion
Learning
activity, 139
discrimination, 139
gestational stress, 139
memory, 213
paradoxical sleep deprivation, 213
reversal, 139
Leg extension response, 243
anogenital stimulation
fetus, rat
spinal transection
Lesions, area postrema/solitary nucleus, 645
area postrema
cholecystokinin
food intake
glucagon-induced satiety
solitary nucleus
Lesions, cortical, 397
tongue protrusion
Lesions, lateral hypothalamus, 293
brown adipose tissue
food intake
thermogenesis
Lesions, olfactory bulbs, 313
cannibalism
maternal behavior
Lesions, superior colliculus, 657
black-white discrimination
monocular enucleation
Lever pressing, 747
alternation response
early postnatal exposure
gonadal steroids
gonadectomy
sex differences
Lipectomy, 85
fattening
high-fat diet
photoperiod
Lithium chloride, 697
2-deoxy-D-glucose
ingestive behavior
Litter size, 831
bioenergetic characteristics
in utero
mice, female adults

Liver, 383
feeding behavior
glucogen
neurohumoral regulation
phosphorylase activation
Liver denervation, 527
food intake
Liver disease, 521
bile duct ligation
sodium chloride preference
Local anesthesia, 855
classical conditioning
eyelid response
pontine nucleus
rabbits
Locomotor activity
appetite, 797
avoidance conditioning, 123
behavioral depression, 201
behavioral effects, 281
circadian rhythm, 435
dark phase/light phase, 797
encephalitis, 281
hamsters, 435
hyperactivity, 13
hypoalgesia, 13
interleukin-1α, 797
isolation, 13
passive avoidance, 201
phase shifts, 435
proestrous luteinizing hormone, 435
resocialization, 13
serotonergic syndrome, 281
sex differences, 123, 201
stress, 201
Locomotor activity rhythms, 859
bungarotoxin
suprachiasmatic infusion
Longterm measurement, 567
heartrate telemetry
mammals
Lordosis
cholecystokinin, 195, 351
cholinergic drugs, 507
copulatory behavior, 351
estrogen, 195, 351
gonadectomy, 351
hypothalamus, 507
route of administration, 351
sexual behavior, 195
ventromedial nucleus, 195
Lymphocyte reactivity, 577
avoidance behavior
stress

Macronutrient, 145
food intake
food preferences
hunger
satiety
Macronutrient selection, 73
carbohydrate
dietary tryptophan
protein
Maltose, 685
monkeys, male adult
polycose
strain differences
sucrose
taste preference

Mammals, 567
heartrate telemetry
longterm measurement
Marmoset, 235
dorsal penile nerves
sexual behavior
Maternal behavior, 313
cannibalism
lesions, olfactory bulb
Maternal separation, 729
cortisol response
guinea pigs
vocalization
Meal patterns
five meal per day access schedule, 739
human studies, 159
hunger, 159
postprandial regulation, 739
preprandial regulation, 739
Meal size, 259
feeding rate
intermeal interval
positive/negative feedback
Memory
avoidance learning, 317
crab, 317
paradoxical sleep deprivation, 93, 213
shuttle-box avoidance, 93
Memory retrieval, 239
amphetamine
forgetting
Mental tension, 783
human studies, ballet dancers
psychophysiological activation
Metabolic acclimation, 121
cycling temperature conditions
goldfish
Metabolic regulation, 735
carobohydrates
fasting
fatty acids
transcendental meditation
Metabolism, 9
brain catecholamines
brown adipose tissue
exercise
Method
actogram, 755
autoradiography, 507
electromyography, 637
numerical analysis, 755
power spectrum analysis, 389
sip/spit paradigm, 515
Methoxamine, 177
blood pressure
cardiovascular conditioning
heart rate
rabbits
Methyl palmoxirate, 617
fatty acid oxidation
food intake
hamsters
hunger motivation
Mice, female adults, 831
bioenergetic characteristics
in utero
litter size
Microregulatory analysis, 705
drinking
eating
human studies
self-report method

spontaneous fluid intake
Midbrain tegmentum, 715
behavioral arousal responses
cardiac arousal responses
dorsal diencephalon
electrical brain stimulation
goldfish
telencephalon
ventilatory arousal responses
Monkeys, 479
sexual behavior
testosterone therapy
Monkeys, male adult, 685
maltose
polycose
strain differences
sucrose
taste preference
Monocular enucleation, 657
black-white discrimination
lesions, superior colliculus
Morphine, 553
chronic administration
feeding responses
Mother-young interaction, 451
goats, young domestic
human-animal interaction
pituitary-adrenal responsiveness
social relationships
Multiunits, 249
drug infusion
electrophysiological recording
intracranial injection
single units

Naloxone
formalin, 265
opioid mediation, 845
orosensory reward, 845
pain-related behavior, 265
sham feeding, 845
stereospecificity, 845
[^{3}H]-Naloxone binding, 371
dynorphin
obesity
opioid receptor
Nasal mucosa, 173
hypothalamus
sexual behavior
thermoregulation
Neurohumoral regulation, 383
feeding behavior
glucogen
liver
phosphorylase activation
Neuronal depletion, 815
dipsogens
drinking response
lateral preoptic region
Neurons, 281
hypothalamic RNA
lateral hypothalamic area
ventromedial nuclei
Neuropeptide Y, 417
α-adrenoceptors
adrenoceptors antagonists
epinephrine
feeding behavior
Nutrient deprivation, 821
baroreceptor sensitivity
rats, infant
sino-aortic denervation

Obesity
circadian rhythm, 651
copulatory behavior, male rats, 321
drinking, 651
dynorphin, 371
feeding, 651
fertility, 321
[^{3}H]-naloxone binding, 371
opioid receptor, 371
overeating, 501
overweight, 501
sucrose octaacetate, 501
testosterone, high dosage, 321
unpreferred diet, 501
Odor discrimination, 359
gonadal hormones
8-OH-DPAT, 841
penile desensitization
rats, males
sexual behavior
Olfactory cues, 669
heterotypic sexual behavior
Open-field behavior
computer simulation, 835
exercise, 541
food deprivation, 779
ovariectomy, 779
progesterone, 779
random assignment of subjects, 835
rats, female, 779
seemingly discrepant results, 835
treadmill performance, 541
X-irradiation, 835
Operant conditioning, 99
drinking patterns
feeding patterns
pigs
Opioid, 187
analgesia
benzodiazepine
predator
Opioid mediation, 845
naloxone
orosensory reward
sham feeding
stereospecificity
Opioid receptor, 371
dynorphin
[^{3}H]-naloxone binding
obesity
Orosensory reward, 845
naloxone
opioid mediation
sham feeding
stereospecificity
Ovarian development, 57
puberty acceleration
reproductive development
Ovariectomy, 779
food deprivation
open field behavior
progesterone
rats, female
Overeating, 501
obesity
overweight
sucrose octaacetate
unpreferred diet
Overweight, 501
obesity
overeating
sucrose octaacetate
unpreferred diet

Pain, 79
response magnitude
stimulus intensity
tail flick reflex
Pain-related behavior, 265
formalin
naloxone
Paradoxical sleep
brain DNA synthesis, 339
brain information processing, 325
sleep function, 325
synchronized sleep, 325, 339
Paradoxical sleep deprivation, 93
learning, 213
memory, 93, 213
shuttle-box avoidance, 93
Parakeets, 585
sleep patterns
Passive avoidance, 201
behavioral depression
locomotor activity
sex differences
stress
Penile desensitization, 841
8-OH-DPAT
rats, males
sexual behavior
Penile reflexes, 637
autogrooming
sexual behavior, male rats
Peptides
cholecystokinin, 351, 485, 645
neuropeptide Y, 417
Phase shifts, 435
circadian rhythm
hamsters
locomotor activity
proestrous luteinizing hormone
Phosphorylase activation, 383
feeding behavior
glucogen
liver
neurohumoral regulation
Photoperiod, 85
fattening
high-fat diet
lipectomy
Pigeons, 539
schedule-induced attack
testosterone
Pigs, 99
drinking patterns
feeding patterns
operant conditioning
Pituitary-adrenal responsiveness, 451
goats, young domestic
human-animal interaction
mother-young interaction
social relationships
Plasma ammonia levels, 631
amino acid concentrations

caloric intake
casein diet
Plasma catecholamines, 275
corticosterone
prolactin
schedule-induced polydipsia
Plasma corticosterone levels, 47
chronic stress
habituation
Plasma glucose level, 765
2-deoxy-D-glucose
feeding level
insulin
Pleasantness estimates, 601
age differences
sour taste intensity
Polycose, 685
maltose
monkeys, male adult
strain differences
sucrose
taste preference
Polydipsia, 375
drinking
ethological analysis
food texture
Pontine nucleus, 855
classical conditioning
eyelid response
local anesthesia
rabbits
Positive/negative feedback, 259
feeding rate
intermeal interval
meal size
Postprandial regulation, 739
five meal per day access schedule
meal patterns
preprandial regulation
Predation, 691
pregnancy
stress
Predator, 187
analgesia
benzodiazepine
opioid
Pregnancy, 691
predation
stress
Preprandial regulation, 739
five meal per day access schedule
meal patterns
postprandial regulation
Procaine, 29
gastric emptying rate
serum corticosterone
serum glucose
serum insulin
Procurement costs, 493
baboons
food intake
Proestrous luteinizing hormone, 435
circadian rhythm
hamsters
locomotor activity
phase shifts
Progesterone, 779
food deprivation
open field behavior
ovariectomy
rats, female
Prolactin, 275
corticosterone
plasma catecholamines
schedule-induced polydipsia
Protein, 73
carbohydrate
dietary tryptophan
macronutrient selection
Psychophysiological activation, 783
human studies, ballet dancers
mental tension
Puberty acceleration, 57
ovarian development
puberty acceleration

Rabbits
blood pressure, 177
cardiovascular conditioning, 177
classical conditioning, 855
diurnal pattern, 559
environmental influences, 559
eyelid response, 855
heart rate, 177
heart-rate pattern, 559
local anesthesia, 855
methoxamine, 177
pontine nucleus, 855
seminatural conditions, 559
Radial maze, 403
delayed-response
scopolamine
spatial memory
working memory
Random assignment of subjects, 835
computer simulation
open-field behavior
seemingly discrepant results
X-irradiation
Rat/hamster comparison, 429
food deprivation
hyperphagia
tail-pinch induced eating
Rats, female, 779
food deprivation
open field behavior
ovariectomy
progesterone
Rats, infant, 823
baroreceptor sensitivity
nutrient deprivation
sino-aortic denervation
Rats, males, 841
8-OH-DPAT
penile desensitization
sexual behavior
REM sleep, 229
respiration
sleep apnea
Renin-angiotensin system, 851
hamsters
strain differences
water intake
Reproductive behavior, 301
brown adipose tissue
cytochrome oxidase activity
torpor
Reproductive development, 57
ovarian development
puberty acceleration

Resocialization, 13
hyperactivity
hypoalgesia
isolation
locomotor activity
Respiration, 229
REM sleep
sleep apnea
Response magnitude, 79
pain
stimulus intensity
tail flick reflex
Reversal, 139
activity
discrimination
gestational stress
learning
Rope-climbing behavior, 665
behavioral despair
climbing behavior
forced-swim test
straw-climbing behavior
Route of administration, 351
cholecystokinin
copulatory behavior
estrogen
gonadectomy
lordosis
Running patterns, 625
eating patterns
sex differences
wheel running
Running wheel activity, 755
hamsters
hypothalamic damage
hypothalamus
lateral geniculate nucleus
suprachiasmatic nuclei

Saline acceptance, 533
drinking
5-HT_{1A} agonists
Satiety
cholecystokinin, 485
diet palatability, 485
food intake, 145
food preferences, 145
genetic obesity, 485
hunger, 145
macronutrient, 145
Schedule-induced attack, 539
pigeons
testosterone
Schedule-induced polydipsia
adjunctive behavior, 269
conditioned avoidance response, 269
corticosterone, 275
plasma catecholamines, 275
prolactin, 275
stress, 269
Scopolamine, 403
delayed-response
radial maze
spatial memory
working memory
Seemingly discrepant results, 835
computer simulation
open-field behavior
random assignment of subjects
X-irradiation

Self-report method, 705
drinking
eating
human studies
microregulatory analysis
spontaneous fluid intake
Seminatural conditions, 559
diurnal pattern
environmental influences
heart-rate pattern
rabbits
Serotonergic syndrome, 281
behavioral effects
encephalitis
locomotor activity
Serum corticosterone, 29
gastric emptying
procaine
serum glucose
serum insulin
Serum glucose, 29
gastric emptying rate
procaine
serum corticosterone
serum insulin
Serum insulin, 29
gastric emptying rate
procaine
serum corticosterone
serum glucose
Sex differences
alternation response, 747
ambient temperature, 471
avoidance conditioning, 123
behavioral depression, 201
circadian rhythm, 471
drinking, 471
early postnatal experience, 747
eating patterns, 625
gonadal steroids, 747
gonadectomy, 747
lever pressing, 747
locomotor activity, 123, 201
passive differences, 201
running patterns, 625
stress, 201
wheel running, 625
Sexual behavior
castration, 35
cholecystokinin, 195
deafferentation, 207
dorsal penile nerves, 235
drought, 217
estradiol benzoate, 35
estrogen, 195
genitalia, 207
goats, 207
hypothalamus, 173
lordosis, 195
marmoset, 235
monkeys, 479
nasal mucosa, 173
8-OH-DPAT, 841
penile desensitization, 841
rats, males, 841
spermatogenesis, 217
strain differences, 217
testosterone therapy, 479
testosterone propionate, 35
thermoregulation, 173
ventromedial nucleus, 195
Sexual behavior, male rats, 637
autogrooming
penile reflexes
Sham feeding, 845
naloxone
opioid mediation
orosensory reward
stereospecificity
Shuttle-box avoidance, 93
memory
paradoxical sleep deprivation
Single cage system, 459
activity rhythms
burrow system
hamsters
stabilimeter
Single units, 249
drug infusion
electrophysiological recording
intracranial injection
multiunits
Sino-aortic denervation, 823
baroreceptors sensitivity
nutrient deprivation
rats, infant
Sip/spit paradigm, 515
sweetness perception
taste
temperature effects
Sleep, 771
circadian rhythm
wakefulness
wheel-running activity
Sleep apnea, 229
REM sleep
respiration
Sleep function, 325
brain information processing
paradoxical sleep
synchronized sleep
Sleep patterns, 585
parakeets
Sleep stages, 681
sleep-wake state analyzer
Sleep-wake state analyzer, 681
sleep stages
Social behavior, 447
energy metabolism
hierarchy formation
Social isolation, 609
blood pressure
tactile startle
Social relationships, 451
goats, young domestic
human-animal interaction
mother-young interaction
pituitary-adrenal responsiveness
Sodium chloride intake, 155
thyroid hormones
water intake
Sodium chloride preference, 521
bile duct ligation
liver disease
Solitary nucleus, 645
area postrema
cholecystokinin
food intake
glucagon-induced satiety
lesions, area postrema/solitary nucleus
Sour taste intensity, 601
age differences
pleasantness estimates
Spatial memory, 403
delayed-response
radial maze
scopolamine
working memory
Spermatogenesis, 217
drought
sexual behavior
strain differences
Spinal transection, 243
anogenital stimulation
fetus, rat
leg extension response
Spontaneous fluid intake, 705
drinking
eating
human studies
microregulatory analysis
self-report method
Stabilimeter, 459
activity rhythms
burrow system
hamsters
single cage system
Startle reflex, 411
acoustic pinna
threshold studies
Stereospecificity, 845
naloxone
opioid mediation
orosensory reward
sham feeding
Stimulus discrimination, 17
aggression
chronic testosterone treatment
Stimulus intensity, 79
pain
response magnitude
tail flick reflex
Strain differences
cytoplasmic effect, 167
drought, 217
eyelid opening, 167
hamsters, 851
maltose, 685
monkeys, male adult, 685
polycose, 685
renin-angiotensin system, 851
sexual behavior, 217
spermatogenesis, 217
sucrose, 685
taste preference, 685
uterine environment, 167
water intake, 851
Straw-climbing behavior, 665
behavioral despair
climbing behavior
forced-swim test
rope-climbing behavior
Stress
adjunctive behavior, 269
adrenocortical stress response, 41
avoidance behavior, 577
behavioral depression, 201
conditioned avoidance response, 269
habituation, 41
locomotor activity, 201
lymphocyte reactivity, 577
passive avoidance, 201
predation, 691

pregnancy, 691
schedule-induced polydipsia, 269
sex differences, 201
stressor intensity, 41
Stress, chronic, 789
behavioral depression
hormone levels
tolerance
Stressor intensity, 41
adrenocortical stress response
habituation
stress
Sucrose, 685
maltose
monkeys, male adult
polycose
strain differences
taste preference
Sucrose octaacetate, 501
obesity
overeating
overweight
unpreferred diet
Suprachiasmatic infusion, 859
bungarotoxin
locomotor activity rhythms
Suprachiasmatic nuclei, 755
hamsters
hypothalamic damage
hypothalamus
lateral geniculate nucleus
running wheel activity
Sweeteners, 547
appetite
food preferences
hunger
Sweetness perception, 515
sip/spit paradigm
taste
temperature effects
Synchronized sleep
brain DNA synthesis, 339
brain information processing, 325
pardoxical sleep, 325, 339
sleep function, 325

Tactile startle, 609
blood pressure
social isolation
Tail flick reflex, 79
pain
response magnitude
stimulus intensity
Tail-pinch induced eating, 429
food deprivation
hyperphagia
rat/hamster comparison
Taste, 515
sip/spit paradigm
sweetness perception
temperature effects
Taste preference, 685
maltose
monkeys, male adult
polycose
strain differences
sucrose
Telencephalon, 715
behavioral arousal responses
cardiac arousal responses
dorsal diencephalon
electrical brain stimulation
goldfish
midbrain tegmentum
ventilatory arousal responses
Temperature effects, 515
sip/spit paradigm
sweetness perception
taste
Testosterone
aggressive behavior, 21
food competition, 21
pigeons, 539
schedule-induced attack, 539
Testosterone, high dosage, 321
copulatory behavior, male rats
fertility
obesity
Testosterone propionate, 35
castration
estradiol benzoate
sexual behavior
Testosterone therapy, 479
monkeys
sexual behavior
Thermogenesis, 293
brown adipose tissue
food intake
lesion, lateral hypothalamus
Thermoregulation, 173
hypothalamus
nasal mucosa
sexual behavior
Thirst, 591
dehydration
hyperosmolality
hypovolemia
Threshold studies, 411
acoustic pinna
startle reflex
Thyroid hormones, 155
sodium chloride intake
water intake
Time perception, 805
circadian rhythms
diisopropyl phosphorofluoridate
Tolerance, 789
behavioral depression
hormone levels
stress, chronic
Tongue protrusion, 397
lesions, cortical
Torpor, 301
brown adipose tissue
cytochrome oxidase activity
reproductive behavior
Transcendental meditation, 735
carbohydrates
fasting
fatty acids
metabolic regulation
Treadmill performance, 541
exercise
open-field behavior

Unpreferred diet, 501
obesity
overeating
overweight
sucrose octaacetate
Uterine environment, 167
cytoplasmic effect
eyelid opening
strain differences

Vaginal self-stimulation, 849
analgesia
heart rate acceleration
human studies, female
Ventilatory arousal responses, 715
behavioral arousal responses
cardiac arousal responses
dorsal diencephalon
electrical brain stimulation
goldfish
midbrain tegmentum
telencephalon
Ventromedial nucleus
cholecystokinin, 195
estrogen, 195
hypothalamic RNA, 281
lateral hypothalamic area, 281
lordosis, 195
neurons, 281
sexual behavior, 195
Vocalization, 729
cortisol response
guinea pigs
maternal separation

Wakefulness, 771
circadian rhythm
sleep
wheel-running activity
Water intake
hamsters, 851
renin-angiotensin system, 851
sodium chloride intake, 155
strain differences, 851
thyroid hormones, 155
Water preloads, 423
drinking
fowls, domestic
isotonic saline preloads
Wheel-running
circadian rhythm, 771
circadian and ultradian rhythms, 359
eating patterns, 625
estrous cycle, 359
running patterns, 625
sex differences, 625
sleep, 771
wakefulness, 771
Working memory, 403
delayed-response
radial maze
scopolamine
spatial memory

X-irradiation, 835
computer simulation
open-field behavior
random assignment of subjects
seemingly discrepant results

AUTHOR INDEX

Ahlenius, S., 841
Albers, H. E., 435
Albert, D. J., 21
Ambrosini, M. V., 325, 339
Andrew, R. J., 441
Armstrong, R. B., 541
Aron, C., 669
Ayala, C., 281
Ayala-Guerrero, F., 585

Babcock, A. M., 195, 351
Beck, C. H. M., 375
Bellinger, L. L., 527
Belló, A. A., 155
Ben-Uria, Y., 139
Benus, R. F., 131
Bigelow, J. A., 99
Bitran, D., 637
Blanchard, D. C., 1
Blanchard, R. J., 1
Blank, J. L. 301
Bloch, G. J., 195, 351
Blumberg, M. S., 173
Blundell, J. E., 547
Bodă, K. 207
Boehm, N., 669
Bohus, B., 269
Bolhuis, J. J., 403
Bondurant, R. H., 207
Booth, D. A., 29
Brighton, L. 441
Broekman, M., 35
Bronson, F. H., 831
Brown, B., 815
Brown, R. E., 359
Buchberger, A., 301
Burley, V. J., 145

Cabib, S., 223
Cabrera, R., 789
Caeser, M., 411
Calderón, A., 585
Calés, J. M., 747
Carlyle, J., 547
Cartas-Heredia, L., 127
Caspy, T., 139
Chambers, K. C., 479
Chauhan, J., 601
Chin, A., 65
Clark, F. M., 681
Clark, J. T., 417, 637
Clifton, P. G., 441
Coleman, G. J., 471
Collier, G. H., 73
Cook, J. A., 41
Cooper, S. J., 533, 845
Covian, M. R., 155
Czech, D. A. 765

Dahlöf, L.-G., 841
Dantzer, R., 269, 275, 577
Daumy, G. O., 797
Davey, G. C. L., 429
De Bruijn, M., 35
De Castro, J. M., 9, 159, 705, 739
de Catanzaro, D., 691
Deems, R. O., 111, 521
Delp, M. D., 541
Dement, W. C., 771
Denti, A., 317
Dhatt, R. K., 553
Dickinson, C., 313
Dimant, B., 317
Dishman, R. K., 541
Dixson, A. F., 235
Drujan, B., 281
Duggan, J. P., 29
Dunn, A. L., 541
Dyson, E. M., 21

Ebihara, S., 115
Eikelboom, R., 625
Eisermann, K., 559
Elmore, D. K., 159
Enríquez, P., 747

Feer, J., 13
Fischman, M. W., 493
Flannelly, K. J., 1
Flory, R. K., 539
Foltin, R. W., 493
Fracchia, L. N., 789
Frackelton, W. H., 253
Francis, A. J. P., 471
Frankmann, S. P., 515
Friedman, M. I., 111, 521, 617
Frischknecht, H.-R., 13
Fryer, M. J., 533

Gentsch, C., 13
Gibbs, C. M., 177
Giesen, H., 229
Gietzen, D. W., 631
Gironi Carnevale, U. A., 325, 339
Gist, R. S., 417
Giuditta, A., 325, 339
Glaubman, H., 139
Golden, H. W., 797
Gonzalez, A. S., 789
Gorski, R. A., 351
Graham, R. E., 541
Green, B. G., 515
Greenwood, M. R. C., 65
Grossman, S. P., 815
Guevara-Rojas, A., 127
Guillamón, A., 747

Haigh, G. R., 831
Haller, J., 447
Hamilton, J. M., 85
Haraczkiewicz, E., 485
Hawrysh, Z. J., 601
Heinsbroek, R. P. W., 201, 779
Helin, P., 783
Hell, N. S., 383
Hemmes, R. B., 321
Hennessy, M. B., 729
Hetherington, M., 145
Hill, A. J., 547
Hill, J. O., 9
Ho, A., 651
Hofer, M. A., 823
Holmes, G. M., 637
Holt, S. J., 293
Horseman, N. D., 859
Houpt, T. R., 99

Iadarola, M. J., 371
Ida, Y., 665
Ikeda, Y., 657
Iwai, M., 383

Janczewski, P., 591
Jevning, R., 735
Johnson, A. K., 609
Johnson, F., 17
Johnson, R. F., 755
Johnston, R. E., 57
Judge, M. E., 239
Jung, H., 239

Kalra, P. S., 417
Kalra, S. P., 417
Kao, K.-T., 177
Kaufman, L. S., 507
Kavaliers, M., 187
Kelley, K. W., 577
Kelly, G., 213
Kempf, E., 223
Keverne, E. B., 313
Kirkham, T. C., 845
Kitchell, R. L., 207
Klein, E., 307
Knowlton, B. J., 855
Kocher, L., 265
Komisaruk, B. R., 849
Koob, G. F., 269
Koolhaas, J. M., 131, 269
Koppel, J., 287
Korenman, E. M. D., 459
Kraegen, E. W., 29
Kramers, R. J. K., 403
Kuchár, S., 287

Laming, P. R., 715
Larsson, K., 841
Lazzarini, S. J., 617
Leaf, J. P., 823
Leitner, C., 697
LeMoal, M., 269, 275, 577
Leung, P. M. B., 631
Lichtsteiner, M., 13
Lima, L. 281
Lucas, G. A., 259
Lyons, D. M., 451

McCarty, R., 41
McEwen, B. S., 507
McGowan, M. K., 815

Maggio, C. A., 485
Maldonado, H., 317
Mangat, H. K., 553
Marks, G. A., 249
Martin, J. V., 229
Martinez-Gomez, 849
Martí-Nicolovius, M., 93
Matsui, A., 79
Matsui, Y., 79
Matthews, D. M., 307
Mattiaccio, M., 325, 339
Meadows, P., 429
Mele, A., 223
Mendelson, W. B., 229
Metzler, J. A., 207
Micevych, P. E. , 195, 351
Michaud, B., 577
Middaugh, L. D., 253
Mills, 625
Moberg, G. P., 451
Moline, M. L., 435
Molloy, A. G., 637
Moltz, H., 173
Moore, R. Y., 755
Morgado-Bernal, I., 93
Morin, L. P., 755
Mormède, P., 275, 577
Mozeš, Š., 287
Mumby, D., 375

Natelson, B. H., 41, 47
Neill, J. C., 533
Nelson, R. J., 217, 301
Nishimura, H., 665
Nosten, M., 167
Noszczyk, B., 591
Nováková, V., 281

Oliva-Zarate, L., 849
Oomura, Y., 365
Oshima, I., 115
Ostwald, J., 411
Ottenweller, J. E., 41, 47
Otterness, I. G., 797

Pacheco, P., 849
Palmer, J. E., 65
Pauly, J. R., 859
Pérez, M. C., 585
Perlis, M., 229
Pfaff, D. W., 507
Phillips, J. H., 429
Phoenix, C. H., 479
Pilz, P. K. D., 411
Pitman, D., 41
Pitman, D. L., 47
Plata-Salamán, C. R., 365
Portell-Cortés, I., 93
Porter, J. R., 371
Powell, D. A., 177
Price, E. O., 207, 451
Puglisi-Allegra, S., 223

Quartermain, D., 239
Quick, I. A., 715

Radulovacki, M., 681
Ramirez, I., 501
Rapoport, S. I., 229
Raslear, T. G., 805
Rattan, A. K., 553
Reasner, D. S., 57

Refinetti, K. Z., 121
Refinetti, R., 121, 245
Reynolds, J. A., 797
Richardson, G. S., 771
Ritter, S., 645
Roane, D. S., 371
Robinson, J. K., 539
Robinson, S. R., 243
Rodríguez Echandía, E. L., 785
Roffwarg, H. P., 249
Rogers, P. J., 547
Rogers, Q. R., 631
Rolls, B. J., 145
Rosas-Arellano, M. P., 127
Roubertoux, P., 167
Rowland, N. E., 851
Ryniková, A., 287

Sachs, B. D., 637
Sadile, A. G., 325, 339
Sakaguchi, T., 673
Sakata, T., 365
Sakai, M., 657
Sakhi, S., 123
Savard, R., 65
Savory, C. J., 423
Schleef, C., 223
Schneider, J. E., 617
Schoch, R., 321
Sclafani, A., 685
Segovia, S., 747
Semon, B. A., 631
Seymour, P. A., 797
Shair, H. N., 823
Shimazu, T., 383
Shimizu, N., 365
Shurtleff, D., 805
Siegfried, B., 133
Silman, R. E., 459
Simmons, L., 805
Smith, C., 213
Smith, L. J., 65
Smotherman, W. P., 243
Speciale, S. G., 249
Spencer, B. A., 177
Steinberg, S. A., 307
Stöhr, W., 567
Storlien, L. H., 29
Strijkstra, A. M., 403
Sunderland, G., 685
Szczepańska-Sadowska, E., 59, 129
Tachibana, T., 835
Tamaki, M., 673
Tanaka, M., 665
Tapp, W. N., 41
Tazi, A., 269
Terlouw, C., 269, 275
Thompson, R. F., 855
Tikal, K., 677
Timberlake, W., 259
Tobach, E., 123
Tompkins, G. J., 397
Trzcinski, A. L., 123
Tsuda, A., 665
Tsuruoka, M., 79
Turek, F. W., 389

Uhde, T. W., 307

van de Poll, N. E., 201, 779
Van Der Schoot, P., 35
Van Haaren, F., 201, 779
van Oortmerssen, G. A., 131
Vergara-Aragón, P., 127
Vasselli, J. R., 485

Wade, G. N., 85, 617
Wagner, G. C., 73
Wagner, R., 229
Walder, R., 281
Walsh, M. L., 21
Watson, B. W., 459
Watson, P. J., 697
Weatherford, S. C., 645
Weiss, S. R. B., 307
Weller, A., 139
Welsh, D. K., 771
Whalen, R. E., 17
Whipple, B., 849
Whishaw, I. Q., 397
White, P. J., 73
Williams, F. E., 527
Wittenberger, C., 447
Wollnik, F., 389
Wong, R., 21
Woodworth, C. H., 609

Yagi, F., 657
Yamamoto, T., 365
Yehuda, S., 139
Yeomans, M. R., 423
York, D. A., 293